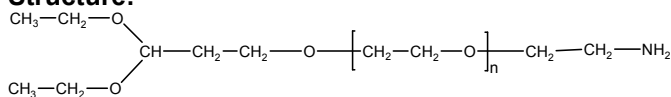


Sample Name:

$\alpha$ - Diethyl acetal propionaldehyde-amino  
Terminated Terminated Poly(ethylene glycol)

Sample #: P10110A-EGacetalNH2

Structure:



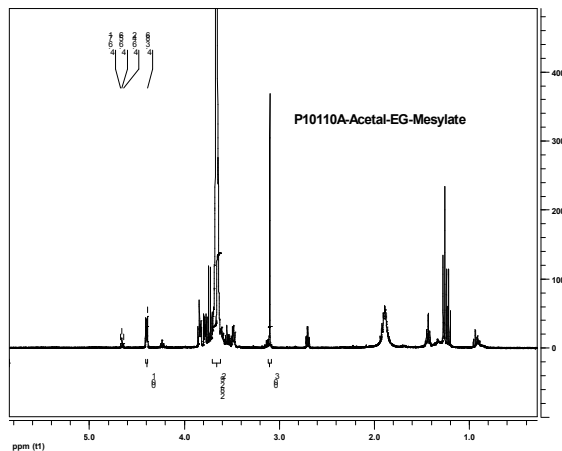
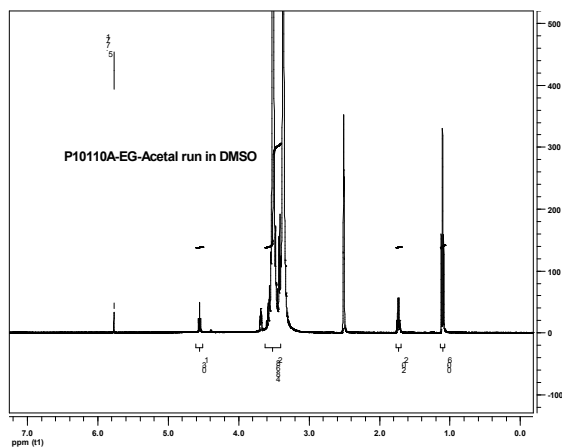
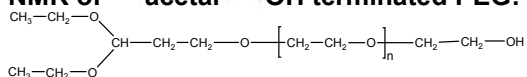
Composition:

Mn x 10 <sup>3</sup>	PDI
3.1	1.10
Acetal Functionality by HNMR	> 98 %

Characterization:

Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The polymer obtained at each step and the final block copolymer composition was calculated from <sup>1</sup>H-NMR spectroscopy.

NMR of acetal- OH terminated PEG:



NMR of acetal-NH2 terminated PEG:

